TABLE I: Table I represent the Component-to-Level_4 Reference Table for INS Components. This Table shows the relationship between the components and their corresponding Level_4 requirements.

4 L4 ID	RTM	Rel	L4 Text	Rqt	Compon			Component Text
	Key			Ty	ent Name		Categ	
				pe		Typ	or	
						e		
S-INS-	4041	A	The INGST CI shall read a Delivery Record file	func	InDAN	-		This is the DAN (Data Availability Notice) is received
00165			describing data to be ingested to determine the files to be	tion		ct	op	from the external Client. The object class contains
			ingested after hard media data transfer.	al				services to access information in the DAN.
S-INS-	4032	A	The INGST CI shall read a Delivery Record file	func	InDAN	Obje	Devel	This is the DAN (Data Availability Notice) is received
00080			describing data to be ingested at a location accessible to	tion		ct	op	from the external Client. The object class contains
			the ESN and submit a corresponding Network Ingest	al				services to access information in the DAN.
			Request to be processed.					
S-INS-	8985	В	"The INGST CI shall extract metadata from ingested data	func	InDataPrep	Obje	Devel	The main purpose of this class is to initiate and
03103			into a form accepted by the Science Data Server/Document	tion	rocessTasl	ct	op	monitor required data preprocessing before insertion
			Data Server, as needed, for the following categories of	al				into the data server subsystem. The InRequest Class
			data:" a. Metadata parameters stored in a data-set-specific					instantiates this class for each separate preprocessing
			format					task. The InRequest class will supply an object
S-INS-	8951	В	The INGST CI shall reformat ingested data into a form	func	InDataPre	Obje	Devel	The main purpose of this class is to initiate and
00402			accepted by the SDSRV CI/DDSRV CI, as needed.	tion	processTa	ct	op	monitor required data preprocessing before insertion
				al	sk			into the data server subsystem. The InRequest Class
								instantiates this class for each separate preprocessing
								task. The InRequest class will supply an object
S-INS-	9682	В	The INGST CI shall convert ingested data into a form	func	InDataPre	Obje	Devel	The main purpose of this class is to initiate and
00401			accepted by the SDSRV CI/DDSRV CI.	tion	processTa	ct	op	monitor required data preprocessing before insertion
				al	sk			into the data server subsystem. The InRequest Class
								instantiates this class for each separate preprocessing
								task. The InRequest class will supply an object
S-INS-	11031	Α	For each data granule specified in an Ingest Request the	func	InDataSer	Obje	Devel	Responsible for the sending of request to the appropriate
00408			INGST CI shall determine by means of an Advertisement	tion	verInserti	ct	op	Data Server based on the data type identifier. The
			the appropriate SDSRV CI/DDSRV CI in which to store	al	onTask			object class has knowledge of the interface protocol with
			the data granule.					the Data Server and interfaces with the Advertising
								Service of the Interoperability Subsystem
S-INS-	11032	A	The INGST CI shall provide the capability to request			Obje	Devel	Responsible for the sending of request to the appropriate
00409			storage of a data granule by means of a Data Insert Request			ct	op	Data Server based on the data type identifier. The
			to the SDSRV CI/DDSRV CI associated with the type of	e	onTask			object class has knowledge of the interface protocol with
			the data granule.					the Data Server and interfaces with the Advertising
								Service of the Interoperability Subsystem
S-INS-	4112	A	The INGST CI shall retry transfer of data from the		InDataTra			It is responsible for coordinating the data transfer and
00450			External Data Provider N times before the ingest request is		nsferTask	ct	op	the population of the InTransferredData object class. In
			failed, where N is a number specified by the operations	al				addition, the object class is responsible for attempting
			staff.					the data transfer retries when data transmission failed.
S-INS-	4110	A	The INGST CI shall provide the capability by means of a			-		It is responsible for coordinating the data transfer and
00430			Working Storage Allocation Request to the Data Server to		nsferTask	ct	op	the population of the InTransferredData object class. In
			allocate storage space for data to be transferred to satisfy an	al			1	addition, the object class is responsible for attempting

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			ingest request.					the data transfer retries when data transmission failed.
S-INS- 00410	4106	A	The INGST CI shall provide the capability to electronically transfer data to be ingested via the ESN into a specified ECS storage location.	tion al		ct	op	It is responsible for coordinating the data transfer and the population of the InTransferredData object class. In addition, the object class is responsible for attempting the data transfer retries when data transmission failed.
S-INS- 00480	4116	A	The INGST CI shall verify that all files specified in an Ingest Request are successfully transferred to ECS.		InDataTra nsferTask		Devel op	It is responsible for coordinating the data transfer and the population of the InTransferredData object class. In addition, the object class is responsible for attempting the data transfer retries when data transmission failed.
S-INS- 00187	8937	В	The INGST CI shall access the Advertising service to determine the availability of a Network Ingest Request service for a given Data Type Identifier.	rfac	InDataTy peTempla te		Devel op	This class contains information that categorizes each ingest data type. The services provided enable the InDataType Class to determine what the required file types are for a given data type. The class will enable the addition of new ingest data types.
S-INS- 00234	8938	В	The INGST CI shall access the Advertising service to determine the availability of a Document Ingest Request service for a given Data Type Identifier.	rfac e	InDataTy peTempla te	ct	op	This class contains information that categorizes each ingest data type. The services provided enable the InDataType Class to determine what the required file types are for a given data type. The class will enable the addition of new ingest data types.
S-INS- 00120	4036	A	The INGST CI shall provide the capability for authorized operations staff to set the period between checking for the presence of external data granule files.	tion	InExterna IDataProv iderThres hold		Devel op	Persistent thresholds on an External Data Provider basis for limits on Ingest request traffic, data volumes, and data transfer retries.
S-INS- 00090	4033	A	The INGST CI shall provide the capability for authorized operations staff to set the period between checking for the presence of Delivery Record files.	tion	InExterna IDataProv iderThres hold	ct	Devel op	Persistent thresholds on an External Data Provider basis for limits on Ingest request traffic, data volumes, and data transfer retries.
S-INS- 00390	4091	A	The INGST CI shall authenticate the User Identifier of operations staff requesting to set thresholds for concurrent ingest processing.	tion	InExterna IDataProv iderThres hold		Devel op	Persistent thresholds on an External Data Provider basis for limits on Ingest request traffic, data volumes, and data transfer retries.
S-INS- 00380	4090	A	The INGST CI shall provide authorized operations staff the capability to set thresholds for: a. Total number of Ingest Requests to process concurrently b. Number of Ingest Requests for each External Data Provider to process concurrently c. Total volume of data to ingest concurrently d. Volume of data for each External Data Provider to ingest concurrently e. Number of data transfer retry attempts for each external interface to ECS	tion al	InExterna IDataProv iderThres hold	ct	ор	Persistent thresholds on an External Data Provider basis for limits on Ingest request traffic, data volumes, and data transfer retries.
S-INS- 00470	4115	A	The INGST CI shall compare the size of each file after data transfer to ECS with file sizes specified in the corresponding Ingest Request.	tion al		ct	op	Instantiates an ingested file on available storage space by collaborating with the DsStResource object class services (described in the Data Server Subsystem section of this document). The InFile object class also performs the file size and file existence
S-INS- 00460	4114	A	The INGST CI shall determine the size of each file transferred to ECS whenever file sizes are specified in the corresponding Ingest Request.	func tion al	InFile		Devel op	Instantiates an ingested file on available storage space by collaborating with the DsStResource object class services (described in the Data Server Subsystem section of this document). The InFile object class also

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								performs the file size and file existence
S-INS- 00400	10232	A	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI / DDSRV CI, for following data types: a. NMC GRIB data b. NMC GRIB formatted medium range forecast product c. NESDIS Snow/Ice Product in EDR Mastermap format d. TOMS Products in version-7 of the TOMS CDROM format.	func tion al	InGRIBD ata	_	Devel op	This class will provide services to preprocess science data in GRIB format.
S-INS- 00345	10728	A	The INGST CI shall report status on the performance of ingest requests to the MSS with the following information: a. file transfer duration b. file processing duration c. data insert duration	tion	InGranule Async_S B		Devel op	Object constructed by InGranuleServer_S to handle the processing and messages for a single granule. Processing includes Granule file transfer, preprocessing and Data Server insertion. This is a SRF server.
S-INS- 00500	4118	A	The INGST CI shall provide operations staff the capability to view selected entries from the Ingest History Log.		InHistory Log	Obje ct	Devel op	Contains ingest history information. The object class provides services retrieve ingest events from the log.
S-INS- 00510	9530	A	The INGST CI shall provide the capability to select Ingest History Log entries for viewing by the following parameters: a. Ingest start/stop dates and times b. External Data Provider c. Data Type Identifier d. Final Service Request Status e. Test or operational mode		InHistory Log	Obje ct	Devel op	Contains ingest history information. The object class provides services retrieve ingest events from the log.
S-INS- 00175	10726	A	The INGST CI shall report Hard Media Ingest Request status to the MSS event log for the following: a. Unauthorized hard media provider b. Unauthorized operations staff		InMediaI ngest		Devel op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00130	4037	A	The INGST CI shall interactively accept Hard Media Ingest Requests from operations staff for data to be ingested from hard media.			_	Devel op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00810	9160	A	The INGST CI shall ingest Data, provided by Version 0, from the GSFC DAAC on 8mm tape.		InMediaI ngest	Obje ct	Devel op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00530	4121	A	The INGST CI shall ingest data, provided by the SDPF, from physical media into the LaRC DAAC as a backup transfer mechanism.	rfac e	ngest		op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00425	4109	A	The INGST CI shall provide the capability to request transfer of data from an 8mm tape.	tion al	ngest	ct	Devel op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00140	4038	A	The INGST CI shall check the Hard Media Ingest Request to verify that the Media Type is a type supported by the facility to which the request was submitted			Obje ct	Devel op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a darized object class from the InGUISession object.

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								class. It inherits all data and service members provided by the InGUISession.
S-INS- 00790	8962	В	The INGST CI shall ingest data, received on physical media from the ASTER GDS, into the EDC DAAC.	rfac e	ngest		op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00150	4039	A	The INGST CI shall verify that the External Data Provider specified in a Hard Media Ingest Request is an authorized provider of hard media to be ingested.		InMediaI ngest	Obje ct	Devel op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00160	4040	A	The INGST CI shall authenticate that the Hard Media Ingest Request is input by operations staff authorized to ingest hard media data.	tion al	ngest		op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00600	8952	В	The INGST CI shall ingest Data, provided by the EDOS, from physical media at the GSFC DAAC as a backup transfer mechanism.	rfac e	ngest	Obje ct	Devel op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00787	9457	В	The INGST CI shall ingest Data, provided by the Landsat 7 International Ground Stations (IGSs), into the EDC DAAC on 8 mm cartridge tape.		InMediaI ngest	Obje ct	Devel op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00610	8953	В	The INGST CI shall ingest Data, provided by the EDOS, from physical media at the LaRC DAAC as a backup transfer mechanism.		InMediaI ngest	Obje ct	Devel op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00170	4042	A	The INGST CI shall report Hard Media Ingest Request status to the submitting operations staff for the following: a. Media file transfer failure b. Invalid Data Type Identifier c. Missing required metadata d. Metadata parameters out of range e. Data conversion failure f. Failure to archive data g. Missing file describing media data to be ingested h. Unauthorized hard media provider i. Unauthorized operations staff j. Successful archive of data		InMediaI ngest	Obje ct	Devel op	Provides operations personnel the capability to perform physical media ingest via the GUI interface. The is a derived object class from the InGUISession object class. It inherits all data and service members provided by the InGUISession.
S-INS- 00406	11241	A	The INGST CI shall check selected parameters from extracted metadata to verify: a. Metadata parameters stored in a dataset specific format b. For numeric metadata parameters limited by a range of values, that parameter values lie within the specified range c. For metadata parameters with values limited to a set of discrete values, that parameter values are listed in the	func tion al			Devel op	This is an abstract class.

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			specified set d. That the metadata parameter syntax is correct e. For metadata containing parameters describing the data size, that the data size is correct (within a specified tolerance) f. That date / time values include a valid month, day of month, hour, minute, and second g. That date / time values include a year value within a range specific for that date / time value					
S-INS- 00405	4102	A	The INGST CI shall append the following ingest-specific metadata to metadata corresponding to ingested data: a. Ingest start date and time b. Ingest stop date and time c. Metadata parameter check status d. Total data volume	tion	InMetadat a	Obje ct	Devel op	This is an abstract class.
S-INS- 00404	11239	В	The INGST CI shall extract metadata from ingested data into a form accepted by the Science Data Server / Document Data Server, as needed, for the following categories of data: a. Metadata parameters stored by parameter byte order and parameter byte length b. Metadata parameters stored in PVL format; c. Metadata parameters stored in HDF format; d. Data set-specific metadata formats	func tion al		Obje ct	Devel op	This is an abstract class.
S-INS- 00403	11238	В	The INGST CI shall perform the following metadata conversions: a. PB5 time into ECS standard date / time format; b. Binary integer values into ASCII integer format; c. Binary floating point values into ASCII floating point format.	func tion al	InMetadat a	Obje ct	Devel op	This is an abstract class.
S-INS- 00850	9459	В	The INGST CI shall ingest Data, provided by SAGE III, into the LaRC DAAC.		InPolling IngestSes sion		Devel op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00852	9460	В	The INGST CI shall ingest Data, provided by ACRIM, into the LaRC DAAC.	rfac	InPolling IngestSes sion		Devel op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00085	4934	A	The INGST CI shall report status to the provider of a polling ingest request (delivery record file) for the following: a. File transfer failure; b. File size discrepancies; c. Invalid data type identifier; d. Missing required metadata; e. Metadata parameters out of range; f. Failure to archive data; g. Missing required request information; h. Successful archive of data.	tion al	InPolling IngestSes sion		Devel op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00840 S-INS-	9458	B	The INGST CI shall ingest data provided by ADEOS II/SeaWinds into the JPL DAAC. The INGST CI shall provide the capability to periodically	rfac e	InPolling IngestSes sion	ct	op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge

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00100			check a location accessible to the ESN for the presence of data granule files.		IngestSes sion	ct	op	the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00070	4031	A	The INGST CI shall provide the capability to periodically check a location accessible to the ESN for the presence of a Delivery Record file describing data to be ingested. The Delivery Record file shall contain the same information as a Network Ingest Request.	tion			Devel op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00620	4130	IR1	The INGST CI shall ingest data, provided by the DAO, from the ESN into the LaRC DAAC using a file transfer protocol.		InPolling IngestSes sion		Devel op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00110	4035	IR1	The INGST CI shall submit a Polling Ingest Request after detecting the presence of data granule files in a location accessible to the ESN. The request shall contain the file location.	tion	InPolling IngestSes sion		Devel op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00645	8954	В	The INGST CI shall ingest Data, provided by the NMC, from the LAN into the GSFC DAAC using a file transfer protocol.	inte rfac e	InPolling IngestSes sion		Devel op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00630	4131	IR1	The INGST CI shall ingest data, provided by NESDIS, from the ESN into the LaRC DAAC using a file transfer protocol.	rfac e	InPolling IngestSes sion	ct	op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00650	8955	В	The INGST CI shall ingest data, provided by the DAO, from the ESN into the EDC DAAC using a file transfer protocol.		InPolling IngestSes sion		Devel op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00590	4127	A	The INGST CI shall ingest Data, provided by the EDOS, from the ESN into the LaRC DAAC using a file transfer protocol.	rfac e	InPolling IngestSes sion	ct	op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00580	4126	A	protocol.	rfac e	IngestSes sion	ct	op	the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00083	9548	В	The INGST CI shall determine the data type for expedited data provided by EDOS.	tion	InPolling IngestSes sion		op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period

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								of time to detect existence of inge
S-INS- 00800	4141	A	The INGST CI shall ingest Data, provided by Version 0, from the LaRC DAAC using a file transfer protocol.	rfac e	InPolling IngestSes sion	ct	op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00640	4132	IR1	The INGST CI shall ingest data, provided by the DAO, from the ESN into the GSFC DAAC using a file transfer protocol.		InPolling IngestSes sion		Devel op	This object class does not have any control link with the external interface (i.e., no physical stimulus provided from external source). It is a persistent object class which is configured to wake up at a tunable period of time to detect existence of inge
S-INS- 00190	4044	A	The INGST CI shall check the Network Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time in a Network Ingest Request entered interactively by a science user.	func tion al	-		Devel op	Contains information provided by a requester/external interface requesting ingest of data. The object class has the responsibility to perform basic request component checking and to assign a unique identifier for the new ingest request.
S-INS- 00325	4077	A	The INGST CI shall determine the ingest start/stop dates and times for all ingested data.	tion al		ct	op	Contains information provided by a requester/external interface requesting ingest of data. The object class has the responsibility to perform basic request component checking and to assign a unique identifier for the new ingest request.
S-INS- 00020	4027	IR1	The INGST CI shall check the Network Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time.	func tion al	InRequest		Devel op	Contains information provided by a requester/external interface requesting ingest of data. The object class has the responsibility to perform basic request component checking and to assign a unique identifier for the new ingest request.
S-INS- 00440	4111	A	The INGST CI shall estimate whether data may complete transfer before the date/time prior to which the data will remain available.	func tion al	-		Devel op	Contains information provided by a requester/external interface requesting ingest of data. The object class has the responsibility to perform basic request component checking and to assign a unique identifier for the new ingest request.
S-INS- 00490	4117	A	The INGST CI shall log the following information in an Ingest History Log for each received Ingest Request: a. Ingest start/stop dates and times b. Ingest Request Identifier c. External Data Provider d. Final Service Request Status e. Data Type Identifiers f. Ingest data volume g. # (number of) data sets h. # (number of) data files	func tion al	InRequest	Obje ct	Devel op	Contains information provided by a requester/external interface requesting ingest of data. The object class has the responsibility to perform basic request component checking and to assign a unique identifier for the new ingest request.
S-INS- 00222	4053	A	The INGST CI shall check the Document Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time in a Document Ingest Request entered interactively by a science user.	tion	-		Devel op	Contains information provided by a requester/external interface requesting ingest of data. The object class has the responsibility to perform basic request component checking and to assign a unique identifier for the new ingest request.
S-INS- 00340	4079	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f Metadata extraction	tion al	InRequest		Devel op	Contains information provided by a requester/external interface requesting ingest of data. The object class has the responsibility to perform basic request component checking and to assign a unique identifier for the new ingest request

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			failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of data.					
S-INS- 00310	4070	A	The INGST CI shall provide authorized operations staff the capability to view the status of ongoing ingest processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00290	4067	A	The INGST CI shall authenticate the User Identifier of operations staff requesting status on all ongoing Ingest Requests.		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00300	4069	A	The INGST CI shall return status on ongoing Ingest Requests to an authorized operations staff member.	tion al	InRequest Controlle r	ct	op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00295	4068	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00280	4066	A	The INGST CI shall determine the User Identifier for an operations staff member submitting an ingest Status Request.		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00270	4065	A	The INGST CI shall accept ingest Status Requests from authorized operations staff to determine the status of: a. A specified ongoing Ingest Request identified by ingest Request Identifier b. All ongoing Ingest Requests associated with a specified User Identifier c. All ongoing Ingest Requests	tion al	InRequest Controlle r	ct	op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00260	4064	A	The INGST CI shall provide science users the capability to display the status of the user's ongoing request processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00250	4063	A	The INGST CI shall return status on a science user's ongoing Network Ingest Requests, based on User Identifier, to the user.	tion al	InRequest Controlle r	ct	op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00235	4061	A	The INGST CI shall accept ingest Status Requests from		InRequest Controlle			Provides authorized operations personnel the capability to undate an ongoing ingest request via the GUII

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			ongoing Ingest Request, previously submitted by the science user who is requesting status and identified by the ingest Request Identifier b. All of the user's ongoing Ingest Requests	al	r			interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00392	4092	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to cancel specified Ingest Request	tion al	InRequest Controlle r	ct	op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00395	4095	A	The INGST CI shall report status on ingest threshold setup Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)	tion al	r	ct	op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00315	4071	A	The INGST CI shall provide the capability for authorized operations staff to select status of ongoing Ingest Request processing for viewing by means of the External Data Provider.	tion al	InRequest Controlle r	ct	op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00240	4062	A	The INGST CI shall determine the User Identifier for a science user submitting an ingest Status Request.	tion al	InRequest Controlle r	ct	op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00363	8942	В	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Suspension Request or ingest Resumption Request.		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00394	9164	В	The INGST CI shall report status on ingest Resumption Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00393	8946	В	The INGST CI shall report status on ingest Suspension Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00350	4080	A	The INGST CI shall accept an ingest Cancellation Request from authorized operations staff to cancel an ongoing ingest request, specifying the ingest Request Identifier.		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00355	8940		The INGST CI shall accept an ingest Suspension Request from authorized operations staff to suspend ongoing ingest request processing for a specified ingest Request Identifier, to suspend all ongoing ingest request processing from a	tion	InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request 2) suspend an ingest request 3) resume

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								CCR 90-1033D Page 11 01 28
			specified External Data Provider, or to suspend all ongoing ingest request processing					an ingest request, or 4) change priori
S-INS- 00357	8941	В	The INGST CI shall accept an ingest Resumption Request from authorized operations staff to resume ongoing ingest request processing for a specified ingest Request Identifier, to resume all ongoing ingest request processing from a specified External Data Provider, or to resume all ongoing ingest request processing.		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00360	4083	A	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Cancellation Request.		InRequest Controlle r		Devel op	Provides authorized operations personnel the capability to update an ongoing ingest request via the GUI interface. The operations personnel could 1) cancel an ingest request, 2) suspend an ingest request, 3) resume an ingest request, or 4) change priori
S-INS- 00398	8949	В	The INGST CI shall report status on ingest Resumption Requests to the requesting application and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier		InRequest Manager	Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00900	8972	В	The INGST CI at the GSFC DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.		InRequest Manager	Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00910	8973	В	The INGST CI at the LaRC DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.		InRequest Manager		Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00920	8974	В	The INGST CI at the MSFC DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.	evo lva ble	InRequest Manager	Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00397	8948	В	The INGST CI shall report status on ingest Suspension Requests to the requesting application and to the Error Log for the following: aUnauthorized requester bInvalid ingest Request Identifier cUnable to suspend specified Ingest Request(s)		InRequest Manager	Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00318	4074	A	The INGST CI shall determine the Priority Information for each Ingest Request based on the External Data Provider and the requested ingest priority for the request.	tion al	Manager	ct	op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00927	8976	В	The INGST CI at the NSIDC DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.		InRequest Manager		Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates

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S-INS- 00929	8977	В	The INGST CI at the ASF DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.	lva ble	Manager	ct	op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 03210	8987	В	The INGST CI shall be capable of accessing test data sets when operating in off-line (test) mode.	rati ona l	C	ct	op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 03200	8986	В	The INGST CI shall be capable of operating in an off-line (test) mode.	rati ona l	Ü	ct	op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00925	8975	В	The INGST CI at the EDC DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.			Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00317	4073	A	The INGST CI shall authenticate the User Identifier of an application submitting an Ingest Request.		InRequest Manager	Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00930	8978	В	The INGST CI at the JPL DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.	evo lva ble	InRequest Manager	Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00370	8945	В	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Suspension Request or ingest Resumption Request.		InRequest Manager	Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00369	4088	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.		InRequest Manager	Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00367	8944	В	The INGST CI shall accept an ingest Resumption Request from authorized applications to resume ongoing ingest request processing for a specified Request Identifier, to resume all ongoing ingest request processing from a specified External Data Provider, or to resume all ongoing ingest request processing.	tion al	Ü	ct	op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00365	8943	В			-	-	Devel	This is a focal object class of the Ingest CI. It

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						1		CCR 90-1033B Page 13 01 28
			request processing for a specified Request Identifier, to suspend all ongoing ingest request processing from a specified External Data Provider, or to suspend all ongoing ingest request processing.	al				initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00364	4085	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.		InRequest Manager		Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00320	4076	A	The INGST CI shall select an Ingest Request for processing based on the priorities of current requests so long as the number of requests concurrently processed is less than a threshold specified by operations staff. Requests of equal priority will be processed first-in, first-out.		InRequest Manager		Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00319	4075	A	The INGST CI shall add a submitted Ingest Request to a list of Ingest Requests sorted by Priority Information.		InRequest Manager		Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00396	4096	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting application and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request		InRequest Manager	Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 00316	11298	A	The INGST CI shall accept an Ingest Request from authorized applications via API.		InRequest Manager	Obje ct	Devel op	This is a focal object class of the Ingest CI. It coordinates the ingest processing which includes the initiating of the data transfer and the sending of data insertion request to the appropriate Data Server. The object class also tracks and allows updates
S-INS- 03200	8986	В	The INGST CI shall be capable of operating in an off-line (test) mode.	ope rati ona 1	InServer	Obje ct	Devel op	Provides a single point of entry to the Ingest system for all ingest interfaces. The object class manages ingest sessions.
S-INS- 00843	9688	В	The INGST CI shall ingest data, provided by the Acquisition Planning System (APS), into the ASF DAAC via file transfer protocol.	rfac e	InSession	ct	op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00849	9694	В	The INGST CI shall ingest data, provided by the Flight Agency Interface (FAIF), into the ASF DAAC via file transfer protocol.	inte rfac e			Devel op	classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00847	9692	В	The INGST CI shall ingest data, provided by the Production Planning System (PPS), into the ASF DAAC via file transfer protocol.		InSession		Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies

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								that the requester has privilege to
S-INS- 00720	4136	A	The INGST CI shall ingest data, provided by the EOC, from the ESN using a file transfer protocol.	inte rfac e	InSession	ct	op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00845	9759	В	The INGST CI shall ingest data, provided by the Product Verification System (PVS), into the ASF DAAC via file transfer protocol.	rfac e		ct	op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00050	11029	A	The INGST CI shall report the following to the MSS event log services: a. Receipt of a network ingest request; b. Response to a network ingest request.	func tion al	InSession		Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00060	4806	IR1	The INGST CI shall report status to the provider of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancies c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Data conversion failure g. Failure to archive data h. Inability to transfer data within the specified time window i. Missing required request information j. Successful archive of the data		InSession	Obje ct	Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00841	9686	В	The INGST CI shall ingest data, provided by RADARSAT Geophysical Processing System (RGPS), into the ASF DAAC via a file transfer protocol.	inte rfac e	InSession	,	Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00854	8970	В	The INGST CI shall ingest Data, provided by the ASF Receiving Ground Station (RGS) via a network interface using a file transfer protocol.	inte rfac e	InSession	Obje ct	Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00730	8958	В	The INGST CI shall ingest data, provided by the FDF, from the ESN into the GSFC DAAC using a file transfer protocol.	rfac e	InSession	ct	op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00570			The INGST CI shall ingest Data, provided by the TSDIS, from the ESN into the MSFC DAAC using a file transfer protocol.	rfac e		ct	op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00560	11033	IR1	The INGST CI shall ingest Data, provided by the TSDIS, from the ESN into the GSFC DAAC using a file transfer protocol.	inte rfac e	InSession		Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies

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								that the requester has privilege to
S-INS- 00540	4122	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the MSFC DAAC using a file transfer protocol.	inte rfac e	InSession	-	Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00064	5355	IR1	The INGST CI shall report the following events by means of the CSS Event Logger Service, during tests of the network ingest interface between ECS and external data providers: a. Receipt of a message by the Ingest interface b. Start of processing for a valid Ingest Request c. Completion of all processing associated with the Ingest Request	func tion al	InSession	_	Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00856	8971	В	The INGST CI shall ingest Data, provided by the ASF SAR Processing System (SPS) via a network interface using a file transfer protocol.	inte rfac e	InSession	Obje ct	Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00062	5354	IR1	The INGST CI shall report the following events by means of the CSS Event Logger Service, during the processing of a Network Ingest Request: a. Receipt of an unexpected message from the ingest provider b. Detection of invalid information on a message received c. Communication failure with the provider of the Ingest Request, as reported to the INGST CI by CSS communication services d. File transfer failures reported to the INGST CI by CSS File Access Service e. Detection of discrepancies between the number of file(s) received and the specifications in the Ingest Request.		InSession		Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00520	4120	IR1		inte rfac e	InSession	Obje ct	Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to
S-INS- 00780	4139	A	The INGST CI shall ingest data, provided by the Landsat 7 Processing Facility (LPS), from the ESN into the EDC DAAC using a file transfer protocol.	inte rfac e	InSession	Obje ct	Devel op	This is the super object class for specialization object classes that handle specific external interfaces. In general, the object class manages the hand-shaking protocol with the ingest service requester. It verifies that the requester has privilege to

ABLE II: Table II shows the Release B INS Component that is new to RTM and that shall be added to the RTM database via this CCR.

omponent Name	- · I	Dev	Component Text
	Type	Categor	
GranuleAsync SB	<u>Object</u>	<u>Develop</u>	Object constructed by InGranuleServer S to handle the processing and messages for a single granule. Processing includes Granul
			file transfer, preprocessing and Data Server insertion. This is a SRF server.

ABLE III: Table describes the Level_4 requirement type, status, verification status, and verification method field updates required for the omponent linkages to be completed.

l id	req_key	rel	req_type	req_status	ver_	ver_status	text
					meth od		
-INS-00070	4031	A	functional	approved	dem	unverified	The INGST CI shall provide the capability to periodically check a location
					О		accessible to the ESN for the presence of a Delivery Record file describing
							data to be ingested. The Delivery Record file shall contain the same
							information as a Network Ingest Request.
-INS-00080	4032	Α	functional	approved	dem	<u>unverified</u>	The INGST CI shall read a Delivery Record file describing data to be ingested
					О		at a location accessible to the ESN and submit a corresponding Network
****	1001						Ingest Request to be processed.
-INS-00085	4934	A	functional	approved	test	unverified	The INGST CI shall report status to the provider of a polling ingest request
							(delivery record file) for the following: a. File transfer failure; b. File size
							discrepancies; c. Invalid data type identifier; d. Missing required metadata; e.
							Metadata parameters out of range; f. Failure to archive data; g. Missing required request information; h. Successful archive of the data.
-INS-00090	4033	A	functional	approved	dem	unverified	The INGST CI shall provide the capability for authorized operations staff to
-1113-00030	4033	A	Tuncuonai	approved	0	unvermeu	set the period between checking for the presence of Delivery Record files.
-INS-00120	4036	Α	functional	approved	dem	unverified	The INGST CI shall provide the capability for authorized operations staff to
1115 00120	1030	11	ranetionar	аррготса	0	<u>unvermeu</u>	set the period between checking for the presence of external data granule files.
-INS-00130	4037	Α	functional	approved	dem	unverified	The INGST CI shall interactively accept Hard Media Ingest Requests from
				11	O		operations staff for data to be ingested from hard media.
-INS-00140	4038	Α	functional	approved	dem	unverified	The INGST CI shall check the Hard Media Ingest Request to verify that the
					О		Media Type is a type supported by the facility to which the request was
							submitted.
-INS-00150	4039	Α	functional	approved	dem	<u>unverified</u>	The INGST CI shall verify that the External Data Provider specified in a Hard
					O		Media Ingest Request is an authorized provider of hard media to be ingested.
-INS-00160	4040	A	functional	approved	dem	<u>unverified</u>	The INGST CI shall authenticate that the Hard Media Ingest Request is input
		<u> </u>		_	0		by operations staff authorized to ingest hard media data.
-INS-00165	4041	Α	functional	approved	dem	<u>unverified</u>	The INGST CI shall read a Delivery Record file describing data to be ingested
					0		to determine the files to be ingested after hard media data transfer.

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-INS-00170	4042	Ι Λ	functional	annroyad	dom	unverified	CCR 90-1055B Page 1/ 0f 28 The INCST CLebell report Hard Media Incest Dequest status to the
-11/2-001/0	4042	A	functional	approved	dem	unvermed	The INGST CI shall report Hard Media Ingest Request status to the
					О		submitting operations staff for the following: a. Media file transfer failure
							b. Invalid Data Type Identifier
							c. Missing required metadata
							d. Metadata parameters out of range
							e. Data conversion failure
							f. Failure to archive data
							g. Missing file describing media data to be ingested
							h. Unauthorized hard media provider
							i. Unauthorized operations staff
							j. Successful archive of data
-INS-00190	4044	Α	functional	approved	dem	unverified	The INGST CI shall check the Network Ingest Request to verify that the
				11	0		date/time prior to which the data will remain available is a valid date/time in a
							Network İngest Request entered interactively by a science user.
-INS-00222	4053	Α	functional	approved	dem	unverified	The INGST CI shall check the Document Ingest Request to verify that the
				or produced	0	<u></u>	date/time prior to which the data will remain available is a valid date/time in a
							Document Ingest Request entered interactively by a science user.
-INS-00235	4061	A	functional	approved	dem	unverified	The INGST CI shall accept ingest Status Requests from science users to
1115 00233	4001	11	Tanetional	approved	0	unvermed	determine the status of:
							a. A specified ongoing Ingest Request, previously submitted by the science
							user who is requesting status and identified by the ingest Request Identifier
							b. All of the user's ongoing Ingest Requests
-INS-00240	4062	٨	functional	annrayad	dom	unvarified	The INGST CI shall determine the User Identifier for a science user
-1113-00240	4002	A	functional	approved	dem	unverified	
INC 00250	10.62		£1	1	0	:C' - 1	submitting an ingest Status Request.
-INS-00250	4063	A	functional	approved	dem	<u>unverified</u>	The INGST CI shall return status on a science user's ongoing Network Ingest
DIG 002 (0	10.61	.	C 1		0		Requests, based on User Identifier, to the user.
-INS-00260	4064	Α	functional	approved	dem	<u>unverified</u>	The INGST CI shall provide science users the capability to display the status
					О		of the user's ongoing request processing. Displayed status shall include the
							External Data Provider, ingest Request Identifier, total ingest data volume, and
							Request State.
-INS-00270	4065	A	functional	approved	dem	<u>unverified</u>	The INGST CI shall accept ingest Status Requests from authorized operations
					0		
							a. A specified ongoing Ingest Request identified by ingest Request
							Identifier
							b. All ongoing Ingest Requests associated with a specified User Identifier
							c. All ongoing Ingest Requests
-INS-00280	4066	Α	functional	approved	dem	unverified	The INGST CI shall determine the User Identifier for an operations staff
				' '	0		
-INS-00290	4067	Α	functional	approved		unverified	
302/0				-FF-0.00			
-INS-00295	4068	А	functional	approved		unverified	
1110 002/3	1000	* *	Tanonona	approved		<u>uni i crimod</u>	
							unauthorized requester
				approved approved approved	dem o dem o	unverified unverified unverified	staff to determine the status of: a. A specified ongoing Ingest Request identified by ingest Request Identifier b. All ongoing Ingest Requests associated with a specified User Identifier c. All ongoing Ingest Requests The INGST CI shall determine the User Identifier for an operations staff member submitting an ingest Status Request. The INGST CI shall authenticate the User Identifier of operations staff requesting status on all ongoing Ingest Requests. The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an

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T110 00000	10.50		10 1				CCR 90-1033D 1 agc 16 01 26
-INS-00300	4069	A	functional	approved	dem	<u>unverified</u>	The INGST CI shall return status on ongoing Ingest Requests to an authorized
					0		operations staff member.
-INS-00310	4070	Α	functional	approved	dem	<u>unverified</u>	The INGST CI shall provide authorized operations staff the capability to view
					0		the status of ongoing ingest processing. Displayed status shall include the
							External Data Provider, ingest Request Identifier, total ingest data volume, and
							Request State.
-INS-00315	4071	Α	functional	approved	dem	<u>unverified</u>	The INGST CI shall provide the capability for authorized operations staff to
					0		select status of ongoing Ingest Request processing for viewing by means of
							the External Data Provider.
-INS-00317	4073	Α	functional	approved	dem	unverified	The INGST CI shall authenticate the User Identifier of an application
					O		submitting an Ingest Request.
-INS-00318	4074	Α	functional	approved	dem	unverified	The INGST CI shall determine the Priority Information for each Ingest
					O		Request based on the External Data Provider and the requested ingest priority
							for the request.
-INS-00319	4075	Α	functional	approved	dem	unverified	The INGST CI shall add a submitted Ingest Request to a list of Ingest
					O		Requests sorted by Priority Information.
-INS-00320	4076	Α	functional	approved	dem	unverified	The INGST CI shall select an Ingest Request for processing based on the
					0		priorities of current requests so long as the number of requests concurrently
							processed is less than a threshold specified by operations staff. Requests of
							equal priority will be processed first-in, first-out.
-INS-00325	4077	Α	functional	approved	dem	unverified	The INGST CI shall determine the ingest start/stop dates and times for all
				11	O		ingested data.
-INS-00340	4079	Α	functional	approved	dem	unverified	The INGST CI shall report status on processing of an Ingest Request to the
					0		Error Log for the following:
							a. File transfer failure
							b. File size discrepancy
							c. Invalid Data Type Identifier
							d. Missing required metadata
							e. Metadata parameters out of range
							f. Metadata extraction failure
							g. Data conversion failure
							h. Data reformatting failure
							i. Failure to archive data
							j. Inability to transfer data within the specified time window
							k. Missing required request information
							1. Unauthorized Ingest Request submitter
							m. Successful archive of the data
-INS-00350	4080	Α	functional	approved	dem	unverified	The INGST CI shall accept an ingest Cancellation Request from authorized
					0		operations staff to cancel an ongoing ingest request, specifying the ingest
							Request Identifier.
-INS-00360	4083	Α	functional	approved	dem	unverified	The INGST CI shall authenticate the User Identifier of operations staff
				' '	О		submitting an ingest Cancellation Request.
-INS-00364	4085	Α	functional	approved	dem	unverified	The INGST CI shall accept an ingest Cancellation Request from authorized
l		I	l	**			annlications to cancel an ongoing Ingest Request, specifying the Request

							Identifier.
-INS-00369	4088	A	functional	agreed	dem	unverified	The INGST CI shall authenticate the User Identifier of an application
					О		submitting an ingest Cancellation Request.
-INS-00380	4090	Α	functional	approved	dem	<u>unverified</u>	The INGST CI shall provide authorized operations staff the capability to set
					О		thresholds for:
							a. Total number of Ingest Requests to process concurrently
							b. Number of Ingest Requests for each External Data Provider to process
							concurrently
							c. Total volume of data to ingest concurrently
							d Volume of data for each External Data Provider to ingest concurrently
T) 10 00000	1001		0 1				e. Number of data transfer retry attempts for each external interface to ECS
-INS-00390	4091	A	functional	approved	dem	<u>unverified</u>	The INGST CI shall authenticate the User Identifier of operations staff
T) 10 00000	4000		0 1		0		requesting to set thresholds for concurrent ingest processing.
-INS-00392	4092	A	functional	approved	dem	<u>unverified</u>	The INGST CI shall report status on ingest Cancellation Requests to the
					О		requesting operations staff and to the Error Log for the following:
							a. Unauthorized requester
							b. Invalid ingest Request Identifierc. Unable to cancel specified Ingest Request
-INS-00395	4095	A	functional	approved	dom	unverified	c. Unable to cancel specified Ingest Request The INGST CI shall report status on ingest threshold setup Requests to the
-1113-00393	4093	A	Tuncuonai	approved	dem o	unvermeu	requesting operations staff and to the Error Log for the following:
					١٠		a. Unauthorized requester
							b. Invalid ingest Request Identifier
							c. Unable to suspend specified Ingest Request(s)
-INS-00396	4096	Α	functional	approved	dem	unverified	The INGST CI shall report status on ingest Cancellation Requests to the
1118 00370	1070	1 1	ranctional	approved	0	<u>anvermea</u>	requesting application and to the Error Log for the following:
							a. Unauthorized requester
							b. Invalid ingest Request Identifier
							c. Unable to suspend specified Ingest Request(s)
-INS-00400	10232	Α	functional	agreed	dem	unverified	The INGST CI shall convert ingested data into an ECS standard format, for
					О		following data types:
							a. NMC GRIB formatted final analysis product
							b. NMC GRIB formatted medium range forecast product
							c. NESDIS Snow/Ice Product in EDR Mastermap format
							d. TOMS Products in version-7 of the TOMS CDROM format.
-INS-00405	4102	A	functional	approved	dem	<u>unverified</u>	The INGST CI shall append the following ingest-specific metadata to metadata
					О		corresponding to ingested data:
							a. Ingest start date and time
							b. Ingest stop date and time
							c. Metadata parameter check status d. Total data volume
INC 00410	4106		functional	00000000001	do	ymyyarifi a il	
-INS-00410	4106	A	functional	approved		<u>unverified</u>	The INGST CI shall provide the capability to electronically transfer data to be
-INS-00425	4100	٨	functional	00000000001	0 dom	unvorific d	ingested via the ESN into a specified ECS storage location. The INGST CI shall provide the capability to request transfer of data from an
-IINN-UU4/5 I	41119	ΙΔ	เ เมท _{ี่} ศักดาลโ	i annr∩ved	nem	i iinveritied	I The INGS I C I shall brovide the cabability to redilest transfer of data from an I

					0		8mm tape.
-INS-00430	4110	Α	functional	approved	dem	unverified	The INGST CI shall provide the capability by means of a Working Storage
				l Tr	0		Allocation Request to the Data Server to allocate storage space for data to be
							transferred to satisfy an ingest request.
-INS-00440	4111	Α	functional	approved	dem	unverified	The INGST CI shall estimate whether data may complete transfer before the
					O		date/time prior to which the data will remain available.
-INS-00450	4112	A	functional	approved	dem	unverified	The INGST CI shall retry transfer of data from the External Data Provider N
				' '	О		times before the ingest request is failed, where N is a number specified by
							operations staff.
-INS-00460	4114	Α	functional	approved	dem	unverified	The INGST CI shall determine the size of each file transferred to ECS
					О		whenever file sizes are specified in the corresponding Ingest Request.
-INS-00470	4115	Α	functional	approved	dem	<u>unverified</u>	The INGST CI shall compare the size of each file after data transfer to ECS
					0		with file sizes specified in the corresponding Ingest Request.
-INS-00480	4116	Α	functional	approved	dem	<u>unverified</u>	The INGST CI shall verify that all files specified in an Ingest Request are
					0		successfully transferred to ECS.
-INS-00490	4117	Α	functional	approved	dem	unverified	The INGST CI shall log the following information in an Ingest History Log
					О		for each received Ingest Request:
							a. Ingest start/stop dates and times
							b. Ingest Request Identifier
							c. External Data Provider
							d. Final Service Request Status
							e. Data Type Identifiers
							f. Ingest data volume
							g. # of data sets
INIC 00700	4110		C .: 1	1	1	. C. 1	h. # of data files
-INS-00500	4118	A	functional	approved	dem	<u>unverified</u>	The INGST CI shall provide operations staff the capability to view selected
INIC 00510	0.520		C .: 1	1	0	. 6. 1	entries from the Ingest History Log.
-INS-00510	9530	A	functional	approved	dem	unverified	The INGST CI shall provide the capability to select Ingest History Log entries
					О		for viewing by the following parameters:
							a. Ingest start/stop dates and times
							b. External Data Provider
							c. Data Type Identifier d. Final Service Request Status
							e. Test or operational mode
-INS-00530	4121	A	interface	approved	dem	unverified	The INGST CI shall ingest data, provided by the SDPF, from physical media
-1113-00550	4121	A	interrace	approved		unvermeu	into the LaRC DAAC as a backup transfer mechanism.
-INS-00580	4126	A	interface	approved	0 dem	unverified	The INGST CI shall ingest Data, provided by the EDOS, from the ESN into
1110-00300	7120		menace	approved	O	unvernicu	the GSFC DAAC using a file transfer protocol.
-INS-00590	4127	Α	interface	approved	dem	unverified	The INGST CI shall ingest Data, provided by the EDOS, from the ESN into
-1110-00270	714/	^	munace	approved	O	unvernieu	the LaRC DAAC using a file transfer protocol.
-INS-00720	4136	A	interface	approved	dem	unverified	The INGST CI shall ingest data, provided by the EOC, from the ESN using a
-1110-00720	7130	^	munace	approved	O	unvernieu	file transfer protocol.
-INS-00780	4139	A	interface	approved	dem	unverified	The INGST CI shall ingest data, provided by the Landsat 7 Processing
1110-00/00	+137	Л	merrace	approved	uciii	unvermeu	The fixest of shan nigest data, provided by the Landsat / Hotessing

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					0		Facility (LPS), from the ESN into the EDC DAAC using a file transfer
							protocol.
-INS-00800	4141	Α	interface	approved	dem	<u>unverified</u>	The INGST CI shall ingest Data, provided by Version 0, from the LaRC
					О		DAAC using a file transfer protocol.
-INS-00810	9160	Α	interface	approved	dem	<u>unverified</u>	The INGST CI shall ingest Data, provided by Version 0, from the GSFC
					О		DAAC on 8mm tape.

1.1	1 .	1	I 4				T
l id -INS-00083	req_key 9548	rel B	req_type	req_status	ver_method	ver_status	The INGST CI shall determine the data type for expedited data
-11/2-00083	9348	D	<u>functional</u>	approved	<u>test</u>	unverified	provided by EDOS.
-INS-00187	8937	В	interface	approved	test	unverified	The INGST CI shall access the Advertising service to
							determine the availability of a Network Ingest Request service
							for a given Data Type Identifier.
-INS-00234	8938	В	interface	approved	test	unverified	The INGST CI shall access the Advertising service to
				11			determine the availability of a Document Ingest Request service
							for a given Data Type Identifier.
-INS-00355	8940	В	functional	approved	test	unverified	The INGST CI shall accept an ingest Suspension Request
				* *			from authorized operations staff to suspend ongoing ingest
							request processing for a specified ingest Request Identifier, to
							suspend all ongoing ingest request processing from a specified
							External Data Provider, or to suspend all ongoing ingest
							request processing.
-INS-00357	8941	В	functional	approved	test	unverified	The INGST CI shall accept an ingest Resumption Request
							from authorized operations staff to resume ongoing ingest
							request processing for a specified ingest Request Identifier, to
							resume all ongoing ingest request processing from a specified
							External Data Provider, or to resume all ongoing ingest request
							processing.
-INS-00363	8942	В	functional	approved	test	<u>unverified</u>	The INGST CI shall authenticate the User Identifier of
							operations staff submitting an ingest Suspension Request or
							ingest Resumption Request.
-INS-00365	8943	В	functional	approved	test	<u>unverified</u>	The INGST CI shall accept an ingest Suspension Request
							from authorized applications to suspend ongoing ingest request
							processing for a specified Request Identifier, to suspend all
							ongoing ingest request processing from a specified External
							Data Provider, or to suspend all ongoing ingest request
							processing.
-INS-00367	8944	В	functional	approved	test	<u>unverified</u>	The INGST CI shall accept an ingest Resumption Request
							from authorized applications to resume ongoing ingest request
							processing for a specified Request Identifier, to resume all
							ongoing ingest request processing from a specified External
		l	l				Data Provider, or to resume all ongoing ingest request

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		1	I	1	I	ı	CCR 90-1033D Page 22 01 26
							processing.
-INS-00370	8945	В	functional	approved	test	<u>unverified</u>	The INGST CI shall authenticate the User Identifier of an
							application submitting an ingest Suspension Request or ingest
							Resumption Request.
-INS-00393	8946	В	functional	approved	test	unverified	The INGST CI shall report status on ingest Suspension
				1 1 1			Requests to the requesting operations staff and to the Error
							Log for the following:
							a. Unauthorized requester
							b. Invalid ingest Request Identifier
							c. Unable to suspend specified Ingest Request(s)
-INS-00394	9164	В	functional	approved	tost	unverified	The INGST CI shall report status on ingest Resumption
-1113-00394	910 4	ь	Tuncuonai	approved	test	unvermeu	Requests to the requesting operations staff and to the Error
							Log for the following:
							a. Unauthorized requester
							b. Invalid ingest Request Identifier
-INS-00397	8948	В	functional	approved	test	<u>unverified</u>	The INGST CI shall report status on ingest Suspension
							Requests to the requesting application and to the Error Log for
							the following:
							a. Unauthorized requester
							b. Invalid ingest Request Identifier
							c. Unable to suspend specified Ingest Request(s)
-INS-00398	8949	В	functional	approved	test	unverified	The INGST CI shall report status on ingest Resumption
				1.1			Requests to the requesting application and to the Error Log for
							the following:
							a. Unauthorized requester
							b. Invalid ingest Request Identifier
-INS-00401	9682	В	functional	approved	test	unverified	The INGST CI shall convert ingested data into a form accepted
1110 00101	700 2			арргочеа		<u>an vanioa</u>	by the SDSRV CI/DDSRV CI.
-INS-00402	8951	В	functional	approved	test	unverified	The INGST CI shall reformat ingested data into a form
1115 00402	0/31	ו		approved	test	directified	accepted by the SDSRV CI/DDSRV CI, as needed.
-INS-00600	8952	В	interface	approved	test	unverified	The INGST CI shall ingest Data, provided by the EDOS, from
-1113-00000	0932	ь	interrace	approved	iest	unvermen	physical media at the GSFC DAAC as a backup transfer
							mechanism.
INIC 00610	0052	D	·	1	4 4	· C' 1	
-INS-00610	8953	В	interface	approved	test	unverified	The INGST CI shall ingest Data, provided by the EDOS, from
							physical media at the LaRC DAAC as a backup transfer
							mechanism.
-INS-00645	8954	В	interface	approved	test	<u>unverified</u>	The INGST CI shall ingest Data, provided by the NMC, from
							the LAN into the GSFC DAAC using a file transfer protocol.
-INS-00650	8955	В	interface	approved	test	<u>unverified</u>	The INGST CI shall ingest data, provided by the DAO, from
				11			the ESN into the EDC DAAC using a file transfer protocol.
-INS-00730	8958	В	interface	approved	test	unverified	The INGST CI shall ingest data, provided by the FDF, from
				11 5.10			the ESN into the GSFC DAAC using a file transfer protocol.
-INS-00787	9457	В	interface	approved	test	unverified	The INGST CI shall ingest Data, provided by the Landsat 7
110 00/0/	7 131	"		approved		directified	International County Stations (ICSs) into the EDC DAAC on

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							8 mm cartridge tape.
-INS-00790	8962	В	interface	approved	test	unverified	The INGST CI shall ingest data, received on physical media
							from the ASTER GDS, into the EDC DAAC.
-INS-00840	9458	В	interface	approved	test	<u>unverified</u>	The INGST CI shall ingest data provided by ADEOS
							II/SeaWinds into the JPL DAAC.
-INS-00841	9686	В	<u>interface</u>	<u>approved</u>	<u>test</u>	unverified	The INGST CI shall ingest data, provided by RADARSAT
							Geophysical Processing System (RGPS), into the ASF DAAC
DIG 00042	0.600	_					via file transfer protocol.
-INS-00843	9688	В	<u>interface</u>	<u>approved</u>	<u>test</u>	unverified	The INGST CI shall ingest data, provided by the Acquisition
							Planning System (APS), into the ASF DAAC via file transfer protocol.
-INS-00845	9759	В	interface	approved	test	unverified	The INGST CI shall ingest data, provided by the Product
1115-00043	7137		interrace	approved	<u>test</u>	unvernied	Verification System (PVS), into the ASF DAAC via file
							transfer protocol.
-INS-00847	9692	В	interface	approved	test	unverified	The INGST CI shall ingest data, provided by the Production
							Planning System (PPS), into the ASF DAAC via file transfer
							protocol.
-INS-00849	9694	В	<u>interface</u>	<u>approved</u>	<u>test</u>	unverified	The INGST CI shall ingest data, provided by the Flight
							Agency Interface (FAIF), into the ASF DAAC via file transfer
							protocol.
-INS-00850	9459	В	interface	approved	test	unverified	The INGST CI shall ingest Data, provided by SAGE III, into
INC 00052	0.160	D		1		'.C' 1	the LaRC DAAC.
-INS-00852	9460	В	interface	approved	test	<u>unverified</u>	The INGST CI shall ingest Data, provided by ACRIM, into the LaRC DAAC.
-INS-00854	8970	В	interface	approved	test	unverified	The INGST CI shall ingest Data, provided by the ASF
-1113-00034	0970	ь	interrace	approved	iesi	unvermeu	Receiving Ground Station (RGS) via a network interface using
							a file transfer protocol.
-INS-00856	8971	В	interface	approved	test	unverified	The INGST CI shall ingest Data, provided by the ASF SAR
							Processing System (SPS) via a network interface using a file
							transfer protocol.
-INS-00900	8972	В	evolvable	approved	test	unverified	The INGST CI at the GSFC DAAC shall be capable of 200
							percent expansion in throughput without architecture or design
							change.
-INS-00910	8973	В	evolvable	approved	test	unverified	The INGST CI at the LaRC DAAC shall be capable of 200
							percent expansion in throughput without architecture or design
INC 00020	9074	D	avolveble	opproved	tost	unvarified	change. The INGST CLet the MSEC DAAC shell be coroble of 200
-INS-00920	8974	В	evolvable	approved	test	<u>unverified</u>	The INGST CI at the MSFC DAAC shall be capable of 200 percent expansion in throughput without architecture or design
							change.
-INS-00925	8975	В	evolvable	approved	test	unverified	The INGST CI at the EDC DAAC shall be capable of 200
1110 00723	0713			approved		directified	percent expansion in throughput without architecture or design
							change.
-INS-00927	8976	В	evolvable	approved	test	unverified	The INGST CI at the NSIDC DAAC shall be capable of 200
,~ 00/ _ /	0,10		3.31.4010	- Tr	1	<u></u>	

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							percent expansion in throughput without architecture or design change.
-INS-00929	8977	В	evolvable	approved	test	unverified	The INGST CI at the ASF DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.
-INS-00930	8978	В	evolvable	approved	test	unverified	The INGST CI at the JPL DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.
-INS-03103	8985	В	functional	approved	test	unverified	"The INGST CI shall extract metadata from ingested data into a form accepted by the Science Data Server/Document Data Server, as needed, for the following categories of data:" a. Metadata parameters stored in a data-set-specific format
-INS-03200	8986	В	operationa 1	approved	test	unverified	The INGST CI shall be capable of operating in an off-line (test) mode.
-INS-03210	8987	В	operationa 1	approved	test	unverified	The INGST CI shall be capable of accessing test data sets when operating in off-line (test) mode.

l id	req_key	rel	req_type	req_status	ver_method	ver_status	text
-INS-00020	4027	IR1	functional	agreed	test	unverified	The INGST CI shall check the Network Ingest Request to
							verify that the date/time prior to which the data will remain
							available is a valid date/time.
-INS-00060	4806	IR1	functional	agreed	test	<u>unverified</u>	The INGST CI shall report status to the provider of a Network
							Ingest Request for the following:
							a. File transfer failure
							b. File size discrepancies
							c. Invalid Data Type Identifier
							d. Missing required metadata Metadata parameters out of range
							e. Metadata parameters out of rangef. Data conversion failure
							g. Failure to archive datah. Inability to transfer data within the specified time
							window
							i. Missing required request information
							i. Successful archive of the data
-INS-00062	5354	IR1	functional	agreed	test	unverified	The INGST CI shall report the following events by means of
							the CSS Event Logger Service, during the processing of a
							Network Ingest Request:
							a. Receipt of an unexpected message from the ingest provider
							b. Detection of invalid information on a message received from
							the ingest provider
							c. Communication failure with the provider of the Ingest
							Request, as reported to the INGST CI by CSS communication

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							services
							d. File transfer failures reported to the INGST CI by CSS File
							Access Service
							e. Detection of discrepancies between the number of the file(s)
							received and the specifications in the Ingest Request.
-INS-00064	5355	IR1	functional	agreed	test	<u>unverified</u>	The INGST CI shall report the following events by means of
							the CSS Event Logger Service, during tests of the network
							ingest interface between ECS and external data providers:
							a. Receipt of a message by the Ingest interface
							b. Start of processing for a valid Ingest Request
							c. Completion of all processing associated with the Ingest
							Request
-INS-00100	4034	IR1	functional	agreed	test	<u>unverified</u>	The INGST CI shall provide the capability to periodically check
							a location accessible to the ESN for the presence of data granule
							files.
-INS-00110	4035	IR1	functional	agreed	test	<u>unverified</u>	The INGST CI shall submit an Polling Ingest Request after
							detecting the presence of data granule files in a location
							accessible to the ESN. The request shall contain the file
							location.
-INS-00520	4120	IR1	interface	agreed	test	<u>unverified</u>	The INGST CI shall ingest data, provided by the SDPF, from
							the ESN into the LaRC DAAC, using a file transfer protocol.
-INS-00540	4122	IR1	interface	agreed	test	<u>unverified</u>	The INGST CI shall ingest data, provided by the SDPF, from
							the ESN into the MSFC DAAC using a file transfer protocol.
-INS-00570	4125	IR1	interface	agreed	test	<u>unverified</u>	The INGST CI shall ingest Data, provided by the TSDIS, from
							the ESN into the MSFC DAAC using a file transfer protocol.
-INS-00620	4130	IR1	interface	agreed	demo	<u>unverified</u>	The INGST CI shall ingest data, provided by the DAO, from
							the ESN into the LaRC DAAC using a file transfer protocol.
-INS-00630	4131	IR1	interface	agreed	demo	<u>unverified</u>	The INGST CI shall ingest data, provided by NESDIS, from
							the ESN into the LaRC DAAC using a file transfer protocol.
-INS-00640	4132	IR1	interface	agreed	demo	<u>unverified</u>	The INGST CI shall ingest data, provided by the DAO, from
							the ESN into the GSFC DAAC using a file transfer protocol.

ABLE IV: Table IV represent the Link Table and shows the links that shall be created via this CCR.

4 ID	Component Name
<u>INS-00165</u>	<u>InDAN</u>
INS-00080	<u>InDAN</u>
INS-03103	<u>InDataPreprocessTask</u>
INS-00402	<u>InDataPreprocessTask</u>
<u>INS-00401</u>	<u>InDataPreprocessTask</u>

<u>INS-00408</u>	<u>InDataServerInsertionTask</u>
<u>INS-00409</u>	<u>InDataServerInsertionTask</u>
<u>INS-00450</u>	<u>InDataTransferTask</u>
<u>INS-00430</u>	<u>InDataTransferTask</u>
<u>INS-00410</u>	<u>InDataTransferTask</u>
<u>INS-00480</u>	<u>InDataTransferTask</u>
<u>INS-00187</u>	<u>InDataTypeTemplate</u>
<u>INS-00234</u>	<u>InDataTypeTemplate</u>
INS-00120	<u>InExternalDataProviderThresho</u>
	<u>ld</u>
<u>INS-00090</u>	<u>InExternalDataProviderThresho</u>
	<u>ld</u>
INS-00390	<u>InExternalDataProviderThresho</u>
	<u>ld</u>
INS-00380	<u>InExternalDataProviderThresho</u>
	<u>ld</u>
<u>INS-00470</u>	<u>InFile</u>
<u>INS-00460</u>	<u>InFile</u>
INS-00400	<u>InGRIBData</u>
<u>INS-00345</u>	InGranuleAsync SB
INS-00500	<u>InHistoryLog</u>
INS-00510	<u>InHistoryLog</u>
INS-00175	<u>InMediaIngest</u>
INS-00130	<u>InMediaIngest</u>
INS-00810	<u>InMediaIngest</u>
INS-00530	<u>InMediaIngest</u>
INS-00425	<u>InMediaIngest</u>
INS-00140	<u>InMediaIngest</u>
INS-00790	<u>InMediaIngest</u>
INS-00150	<u>InMediaIngest</u>
INS-00160	<u>InMediaIngest</u>
INS-00600	<u>InMediaIngest</u>
INS-00787	<u>InMediaIngest</u>
INS-00610	<u>InMediaIngest</u>
INS-00170	<u>InMediaIngest</u>
INS-00406	InMetadata
INS-00405	<u>InMetadata</u>
INS-00404	<u>InMetadata</u>
INS-00403	<u>InMetadata</u>
INS-00850	InPollingIngestSession
INS-00852	InPollingIngestSession
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<u>INS-00840</u>	<u>InPollingIngestSession</u>
<u>INS-00100</u>	<u>InPollingIngestSession</u>
<u>INS-00070</u>	<u>InPollingIngestSession</u>
<u>INS-00620</u>	<u>InPollingIngestSession</u>
<u>INS-00110</u>	<u>InPollingIngestSession</u>
<u>INS-00645</u>	<u>InPollingIngestSession</u>
<u>INS-00630</u>	<u>InPollingIngestSession</u>
<u>INS-00650</u>	<u>InPollingIngestSession</u>
<u>INS-00590</u>	<u>InPollingIngestSession</u>
<u>INS-00580</u>	<u>InPollingIngestSession</u>
<u>INS-00083</u>	<u>InPollingIngestSession</u>
<u>INS-00800</u>	<u>InPollingIngestSession</u>
INS-00640	<u>InPollingIngestSession</u>
<u>INS-00190</u>	<u>InRequest</u>
<u>INS-00325</u>	<u>InRequest</u>
<u>INS-00020</u>	<u>InRequest</u>
<u>INS-00440</u>	<u>InRequest</u>
<u>INS-00490</u>	<u>InRequest</u>
<u>INS-00222</u>	<u>InRequest</u>
<u>INS-00340</u>	<u>InRequest</u>
<u>INS-00310</u>	<u>InRequestController</u>
<u>INS-00290</u>	<u>InRequestController</u>
<u>INS-00300</u>	<u>InRequestController</u>
<u>INS-00295</u>	<u>InRequestController</u>
<u>INS-00280</u>	<u>InRequestController</u>
<u>INS-00270</u>	<u>InRequestController</u>
<u>INS-00260</u>	<u>InRequestController</u>
<u>INS-00250</u>	<u>InRequestController</u>
<u>INS-00235</u>	<u>InRequestController</u>
INS-00392	<u>InRequestController</u>
<u>INS-00395</u>	<u>InRequestController</u>
<u>INS-00315</u>	<u>InRequestController</u>
<u>INS-00240</u>	<u>InRequestController</u>
<u>INS-00363</u>	<u>InRequestController</u>
<u>INS-00394</u>	<u>InRequestController</u>
<u>INS-00393</u>	<u>InRequestController</u>
<u>INS-00350</u>	<u>InRequestController</u>
<u>INS-00355</u>	<u>InRequestController</u>
INS-00357	<u>InRequestController</u>
<u>INS-00360</u>	<u>InRequestController</u>
<u>INS-00398</u>	<u>InRequestManager</u>

<u>INS-00900</u>	<u>InRequestManager</u>
<u>INS-00910</u>	<u>InRequestManager</u>
INS-00920	<u>InRequestManager</u>
INS-00397	<u>InRequestManager</u>
<u>INS-00318</u>	<u>InRequestManager</u>
INS-00927	<u>InRequestManager</u>
<u>INS-00929</u>	<u>InRequestManager</u>
<u>INS-03210</u>	<u>InRequestManager</u>
INS-03200	<u>InRequestManager</u>
<u>INS-00925</u>	<u>InRequestManager</u>
<u>INS-00317</u>	<u>InRequestManager</u>
INS-00930	<u>InRequestManager</u>
<u>INS-00370</u>	InRequestManager
<u>INS-00369</u>	<u>InRequestManager</u>
INS-00367	<u>InRequestManager</u>
INS-00365	<u>InRequestManager</u>
INS-00364	<u>InRequestManager</u>
INS-00320	<u>InRequestManager</u>
INS-00319	<u>InRequestManager</u>
<u>INS-00396</u>	<u>InRequestManager</u>
INS-00316	<u>InRequestManager</u>
<u>INS-03200</u>	<u>InServer</u>
<u>INS-00843</u>	<u>InSession</u>
INS-00849	<u>InSession</u>
<u>INS-00847</u>	<u>InSession</u>
<u>INS-00720</u>	<u>InSession</u>
INS-00845	<u>InSession</u>
<u>INS-00050</u>	<u>InSession</u>
INS-00060	<u>InSession</u>
INS-00841	<u>InSession</u>
INS-00854	<u>InSession</u>
INS-00730	<u>InSession</u>
INS-00570	<u>InSession</u>
<u>INS-00560</u>	<u>InSession</u>
<u>INS-00540</u>	<u>InSession</u>
INS-00064	InSession
INS-00856	<u>InSession</u>
INS-00062	<u>InSession</u>
INS-00520	InSession
<u>INS-00780</u>	<u>InSession</u>